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(54) Title: MEMBRANE AND USE THEREOF

(57) Abstract: The membrane producible by shaping a polymer blend or a block copolymer comprising blocks of monomer units, loading the polymer blend or block copolymer with a blowing gas concentration within the polymer blend or block polymer above a critical concentration at a temperature below a critical temperature, but above the glass transition temperature of the polymer blend/gas or block copolymer/gas mixture and finally stabilizing the foam structure is characterized in that as polymer blend a homogeneous polymer blend comprising at least one hydrophilic and at least one hydrophobic polymer and/or a block copolymer of alternating blocks of hydrophilic and hydrophobic monomer units is used, both the polymer blend and the block copolymer having a solubility relating to the used foaming gas above the critical concentration. The said membrane is used for medical purposes, especially for the haemodialysis, haemofiltration, haemodiafiltration, plasmapheresis, immunotherapy, micro- or ultrafiltration or gas separation.



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